



BRUHAT BENGALURU MAHANAGARA PALIKE

TENDER DOCUMENT – KW4

(WORKS COSTING MORE THAN Rs. 100 LAKHS)

Name of Work: - Improvements to roads, drains and other developmental works in ward no- 03 under road development head in Chief Minister Nava Nagrothan grants of yelahanka division. (Package -03)

Estimate Cost: 1000.00 Lakhs

CONTRACTOR

Page 1 of 43

EXECUTIVE ENGINEER
YELAHANKA DIV

INVITATION FOR TENDER (IFT)
(Short term- Tender Notification)
(Two Cover System)
(Through GOK e-Procurement Portal only)

1. The Government of Karnataka, vide G.O.No.UDD 375 MNY 2018 (ANNEXURE-2,5 & 6) dated 20-09-2019, has accorded in Principle approval and sanctioned budget under Hon'ble Chief Minister's "NAVA NAGAROTHAN GRANTS" for taking up of the works listed below.
2. The Executive Engineer Yelahanka Division invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka (viz <https://eproc.karnataka.gov.in>). The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract as per standard tender document KW-4.
3. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document (Minimum of Rs1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee issued by Nationalized / Scheduled Bank and shall have to be valid for 180 days beyond the validity of the tender)
4. Tenders must be submitted online through e-procurement portal on or before 16.00 hours on 28-11-2019 and the opening of tenders will be as per the e-procurement portal guidelines.
5. GST Shall be Paid to the tendered amount separately
6. Other details can be seen in the tender documents.

Sl. No.	Name of the Work	Amount put to tender (Rs. in lakhs)	EMD (Rs. in Lakhs)	Cost of Tender form in Rs. (Non-Refundable)	Period of Completion
1	Improvements to roads, drains and other developmental works in ward no-02 & 03 under road development head in Chief Minister Nava Nagarothan grants of yelahanka division (Package -01)	832.01	12.50	As per e-Procurement Portal	06 Months (including monsoon)
2	Improvements to roads, drains and other developmental works in Attur ward no-03 under road development head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -02)	1176.42	15.00	As per e-Procurement Portal	06 Months (including monsoon)
3	Improvements to roads, drains and other developmental works in ward no-03 under road development head in Chief Minister Nava Nagarothan grants	840.25	12.62	As per e-Procurement Portal	06 Months (including monsoon)

CONTRACTOR.

	of yela
4	Improv other d 03 & 1 head Nagaro division
5	Improv other Maru SWM Nagaro division
6	Improv other kempe head Nagaro division
7	Improv other No- 01 Chief of yela
8	Improv other Anant under Nava division
9	Improv other Vader under Nava division
10	Improv other Singa limits Minis yela
11	Const civil no -C Playg Minis yela

NOTE:

1. Pre bid (Yelaha stage as
2. Techni
3. Aspiring
4. Before

CONTRACT

	of yelahanka division. (Package -03)*				
4	Improvements to roads, drains and other developmental works in ward no-03 & 04 under road development head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -04)	1188.18	15.00	As per e-Procurement Portal	06 Months (including monsoon)
5	Improvements to roads, drains and other developmental works in Maruthinagara ward no- 01 under SWM head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -05)	832.00	12.50	As per e-Procurement Portal	06 Months (including monsoon)
6	Improvements to roads, drains and other developmental works in kempegowda ward no- 01 under SWM head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -06)	840.25	12.60	As per e-Procurement Portal	06 Months (including monsoon)
7	Improvements to roads, drains and other developmental works in Ward No- 01 & 02. under SWM head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -07)	882.20	13.25	As per e-Procurement Portal	06 Months (including monsoon)
8	Improvements to roads, drains and other developmental works in Ananthapura Attur Ward No- 03 under SWM head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -08)	840.25	12.60	As per e-Procurement Portal	06 Months (including monsoon)
9	Improvements to roads, drains and other developmental works in Vaderahalli grama panchayathi limits under SWM head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -09)	852.80	12.79	As per e-Procurement Portal	06 Months (including monsoon)
10	Improvements to roads, drains and other developmental works in Singanayakanahalli grama panchayathi limits under SWM head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -10)	840.25	12.60	As per e-Procurement Portal	06 Months (including monsoon)
11	Construction of Buildings and other civil works and playgrounds in ward no -01, 03 & 04 under Buildings / Playgrounds / Hospitals head in Chief Minister Nava Nagarothan grants of yelahanka division. (Package -11)	609.10	9.15	As per e-Procurement Portal	12 Months (including monsoon)

NOTE:

1. Pre bid meeting will be held on 18-11-2019 at 15.00 hours in the office of the Chief Engineer (Yelahanka zone) to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instructions to Bidders" of the bidding document.
2. Technical Bids will be opened on the website <https://eproc.karnataka.gov.in> in the office of the Executive Engineer -Yelahanka Division on 30-11-2019 at 16.00 hours.
3. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website <https://eproc.karnataka.gov.in>
4. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.

- (a) achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of Rs.16.80 Crores
- (b) satisfactorily completed (at least 80% of the contract value) as prime contractor, at least one similar work such as asphaltting, drain, footpath works of value not less than Rs. 6.72 Crores
- (c) executed in any one year, the following minimum quantities of work:¹

Sl. No	Description	Unit	Quantity
		Cum	7670.0
1	Earthwork excavation	Nos	7600.0
2	Providing and fixing pre cast solid cement concrete kerb stones	Sqm	3696.0
3	RCC Pre cast covering slabs	Cum	1161.0
4	PCC/ RCC	Cum	3198.0
5	DBM/BC		

Note: Certified Contractors Bill Copies shall be uploaded (Admitted Bill Copies)

- (d) The Tenderer or his identified sub-contractor should possess required valid electrical license for executing building electrification works and should have executed similar electrical works totaling Rs. (usually not less than 50% of the electrical works)* in any one year;²
- (e) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs. (usually not less than 50% of the water supply/sanitary engineering works)* in any one year;³

3.3 Each Tenderer should further demonstrate:

- (a) Availability by owning critical equipment and at least 50% of the required/specified key equipment for this work and the remaining 50% can be deployed on lease/hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished.

Sl No	Description of equipment	Qty	Ownership
1	Hot Mix Plant Minimum 40/60 TPH Capacity	1 No	Own
2	Mechanical/sensor paver finisher	2 Nos	Atleast 50 % own
3	Vibratory Road Rollers with Capacity 8-10 Tonnes	2 Nos	Atleast 50 % own
4	Static Road Rollers with Capacity 8-10 Tonnes	2 Nos	Atleast 50 % own
5	Truck Mounted with heating bitumen in boiler fitted with spray set	2 Nos	Atleast 50 % own
6	Excavators (JCB/Hitachi)	2 Nos	Atleast 50 % own
7	Tractor Mounted with Air compressor for cleaning	2 Nos	Atleast 50 % own
8	Tippers	2 Nos	Atleast 50 % own
		04 Nos	Atleast 50 % own

- (b) Liquid assets and /or availability of credit facilities of not less than Rs.252.07 Lakhs (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc.
- 3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

¹ Specify the principal items of works to be executed under this contract

² This is for building works. Appropriately change for other works.

³ This is for building works. Appropriately change for other works.

- 3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

$$\text{Assessed available tender capacity} = (A * N * 1.5 - B)$$

Where

- A = Maximum value of civil engineering works executed in any one year during the last five years (updated to 2019-2020 price level) taking into account the completed as well as works in progress.
N = Number of years prescribed for completion of the works for which tenders are invited.
B = Value, at 2019-2020 price level, of existing commitments and on-going works to be completed during the next 09 months.

Note: The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

- 3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:
- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
 - Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
 - participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. One Tender per Tenderer:

- 4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified.

5. Cost of Tendering:

- 5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

- 6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

- 7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

- 8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's Additional cost for completing the Works shall be 30 percent (30%) . [50.1]

(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

SECTION 7: SPECIFICATIONS

As per specifications mentioned in BOQ

SECTION 8: DRAWINGS

(Enclosed)

SECTION 9: BILL OF QUANTITIES

Sl No	Description of work	Unit	Quantity as per Estimation	Rate to be Quoted in Rs	
				In Figures	In Words
1	Removing and resetting of footpath slab	sqm	17,038.60 /		
2	Removing and resetting of kerb stones	M	13,612.00 /		
3	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per directoins of the Engineer in charge of work.	Cum	9,587.23 /		
4	KSRB 4-1.2 : Providing and laying in position plain cement concrete Cum of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1.4.2	Cum	595.86 /		
5	Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification and as per directoins of the Engineer in charge of work.	T	72.91 /		
6	Providing and laying plain/reinforced cement concrete for side drains Wall & bottom thickness 15cm using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500,1700, 2200, including cost of materials, labour, HOM complete as per specifications.	Cum	1,161.17 /		

CONTRACTOR

7	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM, curing complete as per specifications.	Cum	126.60		
8	Supplying and fixing precast reinforced concrete slab 10 cm thick of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mm C/c both ways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of cost of all materials(data Rate enclosed)	sqm	4,621.70		
9	Providing and laying Pre Cast Drain Cover slabs of 250mm thick of mix M20 using graded granite jelly 20mm down size with steel reinforcement, including from work, lift charges, curing and concrete finished surfaces on both side etc. complete and as per drawing and direction of Engineer-in-charge of work (data Rate enclosed)	sqm	289.20		
10	Providing and fixing Pre cast solid concrete kerb stones of size 450 x 200 x 400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per specifications and as per directions of Engineer in charge of work.	Nos	9,502.00		
11	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m ³ having a minimum average compressive strength of 5.00 N/mm ² confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications.	Sqm	304.00		
12	KSRB15-3.7 : Providing 18mm thick cement plaster in singlecoat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering. Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	sqm	608.00		
13	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and as per directoins of the Engineer in charge of work.	Sqm	9,615.00		
14	Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications and as per directoins of the Engineer in charge of work.	sqm	738.00		

23	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and as per directoins of the engineer in charge of work.	Sqm	78,191.00		
24	Providing and laying bituminous concrete 40mm thick with hot mix plant, using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015.	Cum	3,127.64		
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and Laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per directoins of the Engineer in charge of work.	Sqm	3,928.75		
26	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 - DO III Dt 11.06.1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	3,590.83		
27	Dismantling the damaged or collapsed manholes of 1.2M dia., coNickel in shape, and reconstructing the same for the same dimensions, with machine made wire cut brick in CM 1:4 with ordinary portland cement etc. as per design and specifications. The existing ring, cover and CC bedding to be used. For manholes of 1.2M dia and 1.0 M depth	Nos	8.00		

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. [amount of guarantee] [in words], and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [amount of guarantee]³⁹ as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

EE(1)

"Page no 01 to 43 kw-4
Tender document Submitted
For kind Approval."

CE(1)

Executive Engineer
B.B.M.P Division
Yelahanka

³⁸ An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

³⁹ An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract